

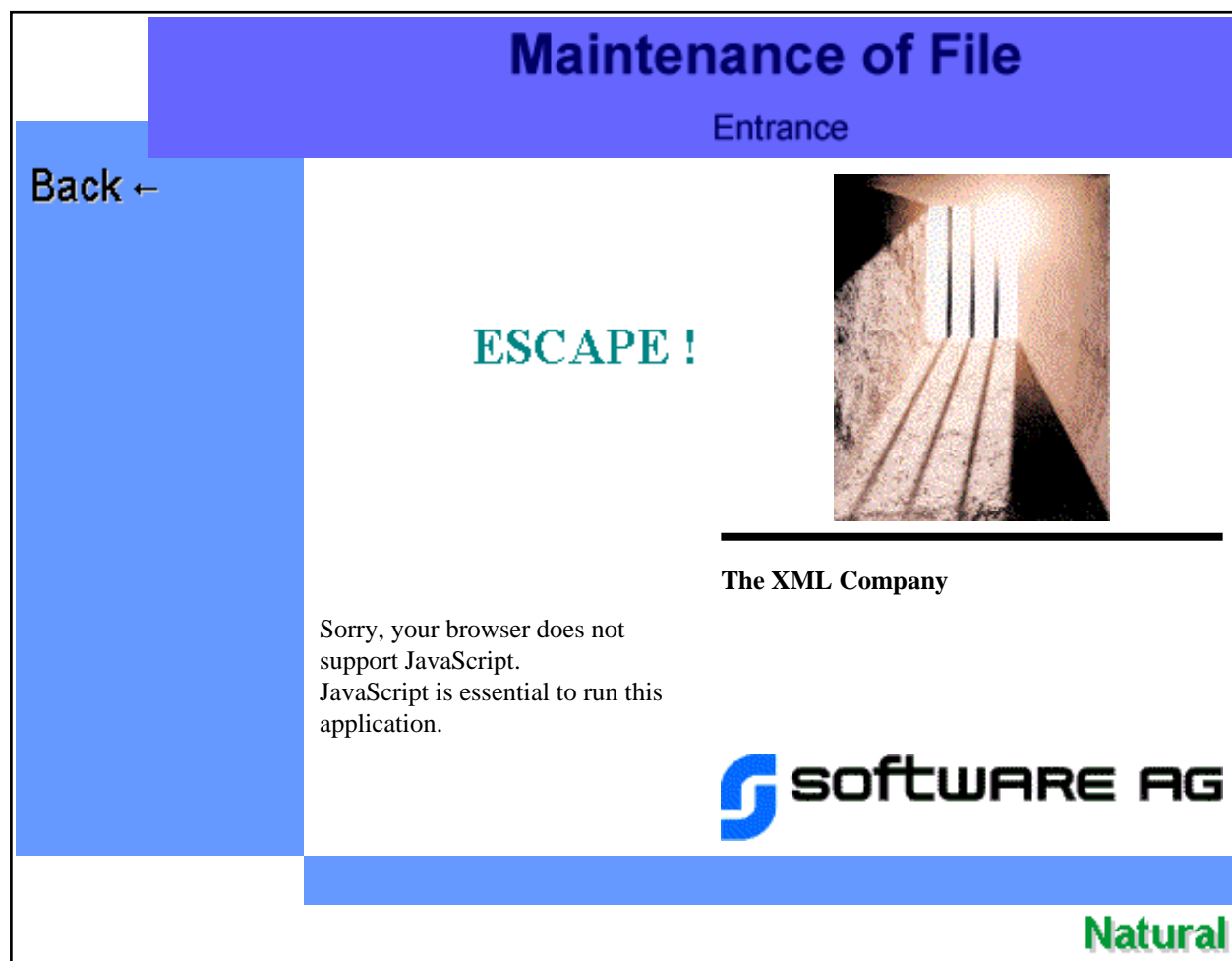
Web Interface Fine Tuning

This section covers the Entrance Tunnel of the Web Interface.

Entrance Tunnel

If your program needs specific versions of HTML browser, or JavaScript as prerequisite, do not let the user run on an incomplete page or get error messages.

A common technique for browser-specific checks is a so-called entrance tunnel. This is the first page of your application. The page can show the logo of your application or just a link to your application. Now the next pages can be browser-dependent, or you may not allow the user to enter:



There are two places to check such specifics:

- Server-side checking at program generation of your dynamic page.
- Browser-side scripting.

The version of an HTML browser used can be checked if the variable `HTTP_USER_AGENT` is read.

With the Natural Web Interface, use the following lines of code:

```
PERFORM W3READ-ENVIRONMENT H3NAME H3SERVER H3VALUE H3VALUE-MAX
*
IS-IE4  := FALSE
IS-NAV4 := FALSE
*
IF H3VALUE-MAX GT 0 THEN
  EXAMINE H3VALUE FOR "Mozilla" GIVING INDEX II
  IF II EQ 1 THEN
    EXAMINE H3VALUE FOR "MSIE" GIVING INDEX IJ
    IF IJ GT 0 THEN
      IS-IE := TRUE
    ELSE
      IS-NAV := TRUE
    END-IF
  END-IF
END-IF
*
* Browser Dependent Coding
* only if Navigator is used.
IF IS-NAV EQ TRUE THEN
...
```

The following value identifies a Microsoft Internet Explorer 4.01:

Mozilla/4.0 (compatible; MSIE 4.01; Windows NT)

With the following value a Netscape Communicator 4.5 will respond:

Mozilla/4.5 [en] (WinNT; I) .

The same check can be done with an Java program on the client side.

```
// Check for used Browser
function Is ()
{ // convert all characters to lowercase to simplify testing
var agt=navigator.userAgent.toLowerCase()
// *** BROWSER VERSION ***
  this.major = parseInt(navigator.appVersion);
  this.nav = ((agt.indexOf('mozilla')!=-1) && ((agt.indexOf('spoofer')== -1)
&& (agt.indexOf('compatible') == -1)))
  this.ie = (agt.indexOf("msie") != -1)
}
// Browser Dependent Coding
// only if Navigator is used.
IF is.nav { ...
```

If your application should not look the same all the time, you can alter your entrance tunnel:



or:

